
Acceptance tests

This chapter describes the acceptance test procedure for the DTI feature. This test verifies the operation of the system hardware.

The DTI card must be disabled before performing the self test or call processing will be disrupted.

Self-test procedures

Follow the steps below to activate the initial test procedure:

- 1 Log into the overlay area.
- 2 Enter **LD 60**.
- 3 Enter **STAT L** to receive a status of the DTI card for Loop L.
- 4 Enter **DISL L** to disable DTI card for Loop L.
- 5 Enter **SLFT L** to test DTI card for Loop L.
- 6 If the system response is not appropriate, refer to *Digital Trunk Interface/Computer-to-PBX Interface maintenance* (553-2811-500) to analyze the message.
- 7 Enter **ENLL L** to enable the DTI card for Loop L.
- 8 Enter ******** to abort LD 60.

Automatic loop test

The automatic loop test checks the same functions as the self test. Unlike the self test, it can be run automatically as part of the midnight routines.

Set the ATLP command to 1 as follows:

- If all 24 channels are idle at midnight, Meridian 1 software disables the card and performs a self test on all channels.
- If any of the 24 channels are busy at midnight, software disables one idle channel, chosen at random, and checks it while the card is enabled.

With the ATLP command set to 0, only one channel is tested. The channel tested is randomly selected by software, and it cannot be specified.

Automatic loop test procedures

Activate automatic loop test procedures with the following steps:

- 1 Log into the overlay area.
- 2 Enter **LD 60**.
- 3 Find an idle channel on the DTI loop by using the STAT command. Enter **STAT L**.
- 4 If all 24 channels are indicated BUSY by the response of the STAT command, this test cannot be run. Otherwise, select an idle channel and disable it. Enter **DSCH L C**.
- 5 Enter **ATLP 0** or **ATLP 1**.
- 6 If the system response is not appropriate, refer to *Digital Trunk Interface/Computer-to-PBX Interface maintenance* (553-2811-500) to analyze the message.
- 7 Enter **ENLL L C** to enable DTI channel C.
- 8 Enter ******** to abort LD 60.

Link diagnostic and remote loopback tests

The remote loopback test and the link diagnostic test are performed manually on a per-channel or a per-frame (24 channels) basis.

Link diagnostic test The link diagnostic test, also called the far end loopback test, does not test the Meridian 1 DTI. It puts the DTI in loopback mode so a remote loopback test can be performed on equipment at the far end.

The DTI channel or frame being tested must be disabled before performing the link diagnostic test or call processing will be disrupted.

Remote loopback test The remote loopback test, also called the near end loopback test, checks the integrity of the DTI link from the Meridian 1 to the far end. The far end must be in loopback mode before this test can be performed.

The DTI channel or frame being tested must be disabled before performing the remote loopback test or call processing will be disrupted.

Coordinating the tests When a technician at the far end asks for loopback mode on the Meridian 1, enter the following:

LD 60
DISL loop
RLBK loop

To run the remote loopback test on the Meridian 1:

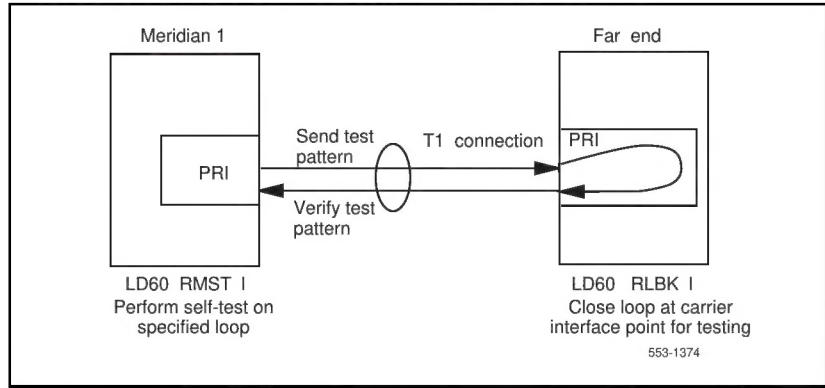
- 1 Call a technician at the far end. Ask for loopback mode at that facility.
- 2 When loopback mode at the far end is confirmed, enter the following:

LD 60
DISL loop
RMST loop

Figure 12 shows the relationship between the remote loopback test and the link diagnostic test.

The procedure below is for performing a remote link diagnostic test on the DTI hardware when the DTI loop is disabled. This procedure assumes that the testing is being run from a local DTI to a collocated DTI.

Figure 12
DTI remote loopback test and DTI link diagnostic test



Link diagnostic and remote loopback test procedures

- 1 Log into the overlay area for both the local and collocated Meridian 1 systems.
- 2 Enter **LD 60**.
- 3 Enter **DISL loop** to disable the DTI card on the local Meridian 1 on Loop L. Enter **DISL loop** to disable the DTI card on the collocated Meridian 1 on Loop L.
- 4 On the collocated Meridian 1, enter **RLBK loop** to place this DTI in the remote loopback mode.
- 5 On the local Meridian 1, enter **RMST loop** to test the physical link between the local and the collocated DTIs.
- 6 If the system response is not appropriate, refer to *Digital Trunk Interface/Computer-to-PBX Interface maintenance* (553-2811-500) to analyze the message.
- 7 On the collocated Meridian 1, enter **DLBK loop** to disable the remote loopback mode.
- 8 Enter **ENLL loop** to enable the DTI card on the local Meridian 1 on Loop L. Enter **ENLL loop** to enable the DTI card on the collocated Meridian 1 on Loop L.
- 9 Enter ******** on both the local and collocated Meridian 1 systems to abort LD 60.